

INTERNATIONAL SEARCH REPORT

 Int. Application No
 PCT/IB2004/052654

 A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H02M3/335 H02M3/28

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 H02M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 130 561 A (ELLIOTT ET AL) 14 July 1992 (1992-07-14) column 1, lines 5-9 column 2, line 48 - column 3, line 8 figure 2	1-22
A	US 5 369 564 A (CHOI ET AL) 29 November 1994 (1994-11-29) column 1, lines 21-32 figure 3	1-22
A	US 6 031 747 A (ILIC ET AL) 29 February 2000 (2000-02-29) column 4, line 61 - column 5, line 15 figures 3,4	1-22
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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

23 February 2005

Date of mailing of the international search report

03/03/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 508 903 A (ALEXNDROV ET AL) 16 April 1996 (1996-04-16) column 2, lines 45-54 figures 3A,B	1-22
A	----- BATCHVAROV J S ET AL: "Interleaved converters based on hysteresis current control" POWER ELECTRONICS SPECIALISTS CONFERENCE, 2000. PESC 00. 2000 IEEE 31ST ANNUAL 18-23 JUNE 2000, PISCATAWAY, NJ, USA, IEEE, vol. 2, 18 June 2000 (2000-06-18), pages 655-661, XP010518737 ISBN: 0-7803-5692-6 cited in the application pages 655-656 -----	1,2

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Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 5130561	A	14-07-1992	NONE		
US 5369564	A	29-11-1994	KR CN	134952 B1 1082265 A ,C	23-04-1998 16-02-1994
US 6031747	A	29-02-2000	US	6292933 B1	18-09-2001
US 5508903	A	16-04-1996	NONE		